

# **REQUIREMENTS FOR VARIOUS REVIEWS**

## **OF THE WVSFMO**

NOTICE: All plans being submitted to our agency for review MUST be accompanied by the appropriate 'Request for Review' form, which can be found on our website by type of review. If this form is NOT received within thirty (30) days of receipt of plans, then plans will be disregarded. If you have any further questions, contact our office at (304) 558-2191.

### **ARCHITECTURAL REVIEW**

1. Complete set of plans to include:
  - a. Site Plans
  - b. Architectural Plans
  - c. Electrical Plans
  - d. Mechanical Plans
  - e. Plumbing Plans
  - f. Elevation Layout
  - g. Specification Book, if applicableAll of these are to be drawn to scale.
2. A completed Plan & Review Division form to be completed by the plan's submitter.

### **FIRE ALARM SYSTEM REVIEW**

1. Architectural layout indicating:
  - a. Room usage
  - b. All devices
  - c. Wiring diagram
  - d. Battery calculations
  - e. Drawings to scale
2. Fire Alarm System must be designed by:
  - a. Personnel who are certified NICET level 3 or 4 or an engineer.
  - b. Personnel who are factory trained and certified with certificate.
  - c. Design documents that are to be issued as guidance and direction specified by an engineer should be clearly identified and documented as such by the engineer's stamp/seal with license.
  - d. The persons responsible for system design (layout) shall be identified on the system design documents with NICET level 3 or 4 Certification with license number.

3. These plans must be to scale.
4. Plan & Review Division form for a Fire Alarm System submittal to be completed by the submitter.

### **SPRINKLER SYSTEM REVIEW**

1. A layout of the building indicating:
  - a. Sprinkler System & devices for system
  - b. Fire Department Connection location
  - c. All valves, tamper flow switches, and gauges
  - d. Hydraulic calculations
  - e. Water Flow Test Information
  - f. Proposed location and approximate size, if a water supply employing pumps or tanks is contemplated
  - g. Underground piping size and location
2. Sprinkler System shall be designed by a person who is NICET Level 3 or 4 certified.
3. Plan & Review Division form for a Sprinkler System submittal to be completed by the submitter.

### **HOOD SUPPRESSION SYSTEM**

1. As built drawings required for review indicating the hood(s), exhaust duct(s), and appliances, along with the interface of the fire-extinguishing system detectors, piping, nozzles, fuel and electric power shutoff devices, agent storage container(s), and manual actuation device(s), shall be submitted.
2. Provide the system designer's name.
3. Plan & Review form for Hood Systems to be completed by the submitter.

### **CLEAN AGENT SYSTEMS**

1. As built drawings required for review indicating
  - a. Complete system with all devices
  - b. Layouts of appliances
  - c. Calculations
  - d. Type of system
    - i. ARGON
    - ii. FM 200/SINORIX 227
    - iii. FE-13
    - iv. 3M NOVEC 1230/SINORIX 1230
    - v. INERGEN
    - vi. CO2

vii. HALON WATER MIST

2. Provide the system designer's name.
3. Plan & Review form for Clean Agent System to be completed by the submitter.

**CARPET**

1. Submit Critical Radiant Flux test in accordance with NFPA 253, from a nationally recognized laboratory.
2. Submit Smoke Density test in accordance with ASTM E-662, from a nationally recognized laboratory.
3. Plan & Review Carpet form to be completed by the submitter.

**ABOVE GROUND STORAGE TANKS**

1. Site plans indicating:
  - a. Tank location
  - b. Distance from all buildings, property line and public ways.
  - c. Location, size and distances of bollards from tank.
  - d. Location of emergency shut off.
2. To include tank size and manufacturers cut sheets on tanks.
3. If area is not fenced – indicate location of fence at least 10 feet surrounding tank.
4. Plan & Review AGST form to be completed by the submitter.